

## Model Information



### ■ Main Features

- 2 x RS232 ports, ESD and surge protected
- 500 kbps max. baud rate for fast data transfer
- 256-Byte FIFO and on-chip H/W, S/W flow control
- Compatible with PCIex x1, Plug and Play
- Low Profile form factor, STD and LP brackets
- Wide temp range -40° to +65°C
- Drivers for Windows XP / 7 / 8 / 10 and Linux
- Adapter cable 2 x DB9M included

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## VScom 200E v4 PCIex (PCIex-200E)

[Quick Link:](#) | [Main Features](#) | [More Pictures](#) | [Overview](#) | [Hardware Specifications](#) | [High Performance Features](#) | [Operating Systems](#) | [Dimensions](#) | [Standards](#) | [MTBF \(Mean Time Between Failures\)](#) | [Warranty](#) | [Ordering Information](#) | [Packaging](#) |

### ■ More Pictures



Click on the thumbnails for the large picture ...

[>Back to top](#)

### ■ Overview

The VScom 200E PCIex is a smart 2-ports PCI Express serial card, designed for industrial automation and POS/ATM applications. VScom 200E PCIex runs with all major operating systems. The serial ports equipped with 256 byte FIFOs support data rates up to 500kbps and use full modem control signals for compatibility with a wide range of serial devices. The ports also allow every non-standard bitrate up to 500kbps. On-chip s/w and h/w flow control ensure quick reaction and so error free data transmission at high baud rates. Serial ports are ESD and surge protected.

The board can be plugged into Standard Height and Low-Profile PC cases. Mounted is the standard bracket, Low Profile is placed in the box. Also included is the adapter cable DB25F to 2 x DB9M (Pins and signals like on a PC).

### ■ Hardware Specifications

<b>Ports</b>	2x RS232 (RxD, TxD, RTS, CTS, DTR, DSR, DCD, RI)
<b>UART</b>	2x 16C850 (256 Byte FIFO, ON-Chip HW-/SW-Flow Control)
<b>LED</b>	LED for TxD and RxD on each port
<b>Address</b>	Plug and Play
<b>Interrupts</b>	PCI Plug and Play, only one interrupt per card
<b>Speed</b>	50bps – 500 kbps all standard bitrates available also non-standard bitrates possible (e.g. 500kbps)
<b>Bus interface</b>	PCI Express x1
<b>Connectors</b>	1x DB25F, adapter cable 2 x DB9 male
<b>Low Profile</b>	Extra bracket added for Low Profile case mounting
<b>Temperature</b>	-40°C – +65°C

[>Back to top](#)

## ■ High Performance Features

<b>FIFO</b>	adjustable FIFO length, 1 up to 256 Bytes separate adjustable Rx and Tx
<b>Handshake</b>	RTS / CTS DTR / DSR Xon / Xoff all handshake automatic on Chip
<b>Speed</b>	50 bps up to 500 kbps all Baudrates possible
<b>Access</b>	high speed access via Memory
<b>UART</b>	UART emulation 16850

[>Back to top](#)

## ■ Operating Systems

<b>Windows 2000 up to 10</b>	High performance serial driver, x86 and x64 Editions
<b>Linux</b>	Kernel 3.0 and up: built-in support

[>Back to top](#)

## ■ Dimensions

<b>Card Size</b>	L65mm × H67mm
<b>Card Weight</b>	40g
<b>Cable Weight</b>	150g
<b>Box Size</b>	L165mm × W153mm × H62mm
<b>Box Weight</b>	210g

[>Back to top](#)

## ■ Standards

<b>Declarations</b>	CE, FCC
<b>EMI</b>	<ul style="list-style-type: none"><li>• EN 55022 Class B</li><li>• 47 CFR FCC Part 15 Subpart B</li></ul>
<b>EMS (EN 55024)</b>	<ul style="list-style-type: none"><li>• EN 61000-4-3: Radiated RFI</li><li>• EN 61000-4-4: Electrical Fast Transient</li><li>• EN 61000-4-5: Surge</li><li>• EN 61000-4-6: Induced RFI</li><li>• EN 61000-4-8: Power Frequency Magnetic Field</li><li>• EN 61000-4-11: Power supply dips</li></ul>
<b>ESD</b>	EN 61000-4-2 4kV contact 8kV air for Serial Ports

[>Back to top](#)

## ■ MTBF (Mean Time Between Failures)

<b>MTBF</b>	available soon
<b>Standard</b>	Telcordia (Bellcore) Standard; RelCalc. 5.0 BELL-7

[>Back to top](#)

## ■ Warranty

<b>Warranty Period</b>	2 years
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[>Back to top](#)

## ■ Ordering Information

<b>4512</b>	Vscom 200E v4 PCIex
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[>Back to top](#)

## ■ Packaging

<b>Packing list</b>	VScom 200E v4 PCIex card Adapter cable 2 Ports RS232 DSUB 9 male Extra bracket for Low Profile form factor
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[>Back to top](#)

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**VScom 200E v4 PCIex**  
[>Back](#)



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**Adapter cable attached**  
[>Back](#)



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